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NOV 17 2000

TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Intracel Corporation
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NOV 21 2000

TECH CENTER 1600/2900

<120> Neutralizing Monoclonal Antibodies to Respiratory Syncytial
Virus

<130> 58138-084

<140> US 09/043,530

<141> 1998-10-09

<160> 24

<170> PatentIn version 3.0

<210> 1

<211> 123

<212> PRT

<213> Homo sapiens

<220>

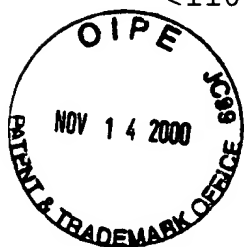
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Leu Glu Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Arg Ser Leu Arg
1 5 10 15

Leu Ser Cys Ser Thr Ser Gly Phe Ser Phe Gly Asp Tyr Pro Val Asn
20 25 30



Q1

Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Leu Gly Ile Val
35 40 45

Arg Ser Arg Leu Tyr Gly Gly Thr Leu Gln Tyr Ala Ala Ser Val Glu
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ile Ala Tyr Leu
65 70 75 80

His Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys Gly
85 90 95

Val Pro Val Ala Asn Ile Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Ser
115 120

<210> 2

<211> 27

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)..(27)

<400> 2

Leu Glu Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Arg Ser Leu Arg
1 5 10 15

Leu Ser Cys Ser Thr Ser Gly Phe Ser Phe Gly
20 25

<210> 3

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1) .. (5)

<400> 3

Asp Tyr Pro Val Asn
1 5

<210> 4

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (1) .. (14)

<400> 4

Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Leu Gly
1 5 10

<210> 5

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1) .. (19)

<400> 5

Ile	Val	Arg	Ser	Arg	Leu	Tyr	Gly	Gly	Thr	Leu	Gln	Tyr	Ala	Ala	Ser
1				5					10					15	

Val Glu Gly

<210> 6

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1) .. (32)

<400> 6

Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Ser	Ile	Ala	Tyr	Leu	His
1				5					10					15	

Met	Asn	Ser	Leu	Lys	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Gly	Val
			20					25					30		

<210> 7

<211> 7

<212> PRT

<213> Homo sapiens

<220>

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<222> (1) .. (7)

<400> 7

Pro Val Ala Asn Ile Asp Tyr
1 5

<210> 8

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1) .. (19)

<400> 8

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
1 5 10 15

Pro Ser Ser

<210> 9

<211> 109

<212> PRT

<213> Homo sapiens

<220>

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<222> (1) .. (109)

<400> 9

Leu	Thr	Gln	Pro	His	Ser	Val	Ser	Glu	Ser	Leu	Gly	Lys	Thr	Val	Thr
1				5					10					15	

Ile	Ser	Cys	Thr	Arg	Ala	Gly	Gly	Ser	Ile	Ala	Ser	Asn	Tyr	Val	Gln
			20					25					30		

Trp	Tyr	Gln	Gln	Arg	Pro	Gly	Ser	Ser	Pro	Thr	Thr	Val	Ile	Tyr	Glu
		35					40					45			

Asp	Asn	Gln	Arg	Pro	Phe	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Ile
	50					55					60				

Asp	Thr	Ser	Ser	Asn	Ser	Ala	Ser	Leu	Thr	Ile	Ser	Gly	Leu	Lys	Thr
65					70					75					80

Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Gln	Ser	Tyr	Asp	Ser	Glu	Asn	Pro
				85					90					95	

Trp	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Gly
			100					105				

<210> 10

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1) .. (19)

<400> 10

Leu Thr Gln Pro His Ser Val Ser Glu Ser Leu Gly Lys Thr Val Thr
1 5 10 15

Ile Ser Cys

<210> 11

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1) .. (13)

<400> 11

Thr Arg Ala Gly Gly Ser Ile Ala Ser Asn Tyr Val Gln
1 5 10

<210> 12

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1) .. (15)

<400> 12

Trp Tyr Gln Gln Arg Pro Gly Ser Ser Pro Thr Thr Val Ile Tyr

1 5 10 15

<210> 13

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1)..(7)

<400> 13

Glu Asp Asn Gln Arg Pro Phe
1 5

<210> 14

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1)..(14)

<400> 14

Gly Val Pro Asp Arg Phe Ser Gly Ser Ile Asp Thr Ser Ser Asn Ser
1 5 10 15

Ala Ser Leu Thr Ile Ser Gly Leu Lys Thr Glu Asp Glu Ala Asp Tyr
20 25 30

Tyr Cys

<210> 15

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1)..(10)

<400> 15

Gln	Ser	Tyr	Asp	Ser	Glu	Asn	Pro	Trp	Val
1				5					10

<210> 16

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<221> region

<222> (1)..(11)

<400> 16

Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Gly
1				5					10	

<210> 17

<211> 17

<212> DNA

<213> synthetic primer

<220>

<221> primer_bind

<222> (1)..(17)

<400> 17

attaaccctc actaaag

17

<210> 18

<211> 21

<212> DNA

<213> synthetic primer

<220>

<221> primer_bind

<222> (1)..(21)

<400> 18

gaattctaaa ctagctagtc g

21

<210> 19

<211> 18

<212> DNA

<213> synthetic primer

<220>

<221> primer_bind

<222> (1)..(18)

<400> 19

gaagtagtcc ttgaccag

18

<210> 20

<211> 21

<212> DNA

<213> synthetic primer

<220>

<221> primer_bind

<222> (1)..(21)

<400> 20

gaagtcactt atgagacaca c

21

<210> 21

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1) .. (369)

<400> 21

ctc gag gag tct ggg gga gac ttg gta cag cca ggg cgg tcc ctg aga
48

Leu Glu Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Arg Ser Leu Arg

1

5

10

15

ctc tcc tgt tca act tca gga ttc agt ttt ggt gac tat cct gtg aat
96

Leu Ser Cys Ser Thr Ser Gly Phe Ser Phe Gly Asp Tyr Pro Val Asn

20

25

30

tgg ttc cgc cag gct cca ggg aag ggg ctg gag tgg cta ggt atc gtt
144

Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Leu Gly Ile Val

35

40

45

aga agc aga ctt tat ggt ggg aca ctt caa tac gcc gcg tct gtg gaa
192

Arg Ser Arg Leu Tyr Gly Gly Thr Leu Gln Tyr Ala Ala Ser Val Glu

50

55

60

ggc aga ttc acc atc tca aga gat gat tcc aaa agc atc gcc tat ctg
240

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ile Ala Tyr Leu

65

70

75

80

cac atg aac agt ctg aaa tcc gag gac acg gcc gtg tat tat tgt ggt
288

His Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys Gly

85

90

95

gta cca gtg gct aac att gac tac tgg ggc cag gga acc ctg gtc acc
336

Val Pro Val Ala Asn Ile Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr

100

105

110

gtc tct tca gcc tcc acc aag ggt cca tcg tct
369

Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Ser

115

120

<210> 22

<211> 123

<212> PRT

<213> Homo sapiens

<400> 22

Leu Glu Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Arg Ser Leu Arg
1 5 10 15

Leu Ser Cys Ser Thr Ser Gly Phe Ser Phe Gly Asp Tyr Pro Val Asn
20 25 30

Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Leu Gly Ile Val
35 40 45

Arg Ser Arg Leu Tyr Gly Gly Thr Leu Gln Tyr Ala Ala Ser Val Glu
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ile Ala Tyr Leu
65 70 75 80

His Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys Gly
85 90 95

Val Pro Val Ala Asn Ile Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Ser
115 120

<210> 23

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1) .. (330)

<400> 23

gag ctc act cag ccc cac tct gtg tcg gag tct ctg ggg aag acg gta
48

Glu Leu Thr Gln Pro His Ser Val Ser Glu Ser Leu Gly Lys Thr Val

1

5

10

15

acc atc tcc tgc acc cgc gcc ggt ggc agc att gcc agc aac tat gtg
96

Thr Ile Ser Cys Thr Arg Ala Gly Gly Ser Ile Ala Ser Asn Tyr Val

20

25

30

cag tgg tac cag cag cgc ccg ggc agt tcc ccc acc act gtg att tat
144

Gln Trp Tyr Gln Gln Arg Pro Gly Ser Ser Pro Thr Thr Val Ile Tyr

35

40

45

gag gat aac caa aga ccc ttt ggg gtc cct gat cgg ttc tct ggc tcc
192

Glu Asp Asn Gln Arg Pro Phe Gly Val Pro Asp Arg Phe Ser Gly Ser

50

55

60

atc gac acc tcc tcc aac tct gcc tcc ctc acc atc tct gga ctg aag
240

Ile Asp Thr Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly Leu Lys

65

70

75

80

act gag gac gag gct gac tac tac tgt cag tct tat gat agc gaa aac
288

Thr Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Glu Asn

85

90

95

cct tgg gtg ttc ggc ggg ggg acc aag ctg acc gtc cta ggt
330

Pro Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly

100

105

110

<210> 24

<211> 110

<212> PRT

<213> Homo sapiens

<400> 24

Glu Leu Thr Gln Pro His Ser Val Ser Glu Ser Leu Gly Lys Thr Val
1 5 10 15

Thr Ile Ser Cys Thr Arg Ala Gly Gly Ser Ile Ala Ser Asn Tyr Val
20 25 30

Gln Trp Tyr Gln Gln Arg Pro Gly Ser Ser Pro Thr Thr Val Ile Tyr
35 40 45

Glu Asp Asn Gln Arg Pro Phe Gly Val Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ile Asp Thr Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly Leu Lys
65 70 75 80

Thr Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Glu Asn
85 90 95

Pro Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110